

In the Claims

1. (currently amended) An integral screen for use in a vibrating machine for separating solids from liquid material, comprising a support structure defining a rectangular opening, and woven wire cloth of orthogonal warp and weft wires, tensioned and bonded to a support structure defining a rectangular opening across which the cloth extends, wherein the cloth is bonded to the support structure and extends in a tensioned state across the opening, the cloth has rectangular openings in the weave, formed by a greater number of warp wires per unit length than there are weft wires per unit length, and the orientation of the cloth is chosen so that the warp wires extend across the width (i.e. shorter dimension) of the rectangular opening and the weft wires extend across the length (i.e. longer dimension) of the rectangular opening.
2. (original) A screen as claimed in claim 1 wherein the rectangular opening in the support structure includes a plurality of similarly dimensioned, similarly orientated and regularly arranged smaller rectangular openings or windows, formed by a lattice of struts criss-crossing the larger opening, and the cloth is bonded to the lattice struts as well as the boundary of the larger opening.
3. (original) A screen as claimed in claim 2 wherein the warp wires are also parallel to the width dimension (i.e. the shorter sides) of the smaller rectangular openings.
- 4-5 (cancelled)
6. (currently amended) A screen as claimed in claim [[5]]¹ wherein the warp wires have a cross-sectional area of between 10% and 30% greater than the weft wires.
7. (original) A screen as claimed in claim 6 wherein the warp wires have a cross-sectional area in the range 20% to 25% greater than the weft wires.
8. (original) A screen as claimed in claim 7 wherein the warp wires have a cross-sectional area 22% greater than that of the weft wires.
9. (previously presented) A screen as claimed in claim 1 wherein the wires are of circular cross-section.

10. (original) A screen as claimed in claim 9 wherein the diameter of the larger warp wires is 0.046 mm, and the diameter of the weft wires is 0.036 mm.

11-17 (cancelled)

18. (new) An integral screen for use in a vibrating machine for separating solids from liquid material, comprising a support structure defining a rectangular opening, and woven wire cloth of orthogonal warp and weft wires, wherein the cloth is bonded to the support structure and extends in a tensioned state across the opening, the cloth has generally square openings in the weave, the warp wires have a greater cross-sectional size than the weft wires, and the orientation of the cloth is chosen so that the warp wires extend across the width (i.e. shorter dimension) of the rectangular opening and the weft wires extend across the length (i.e. longer dimension) of the rectangular opening.

19. (new) A screen as claimed in claim 18 wherein the warp wires have a cross-sectional area of between 10% and 30% greater than the weft wires.

20. (new) A screen as claimed in claim 19 wherein the warp wires have a cross-sectional area in the range 20% to 25% greater than the weft wires.

21. (new) A screen as claimed in claim 20 wherein the warp wires have a cross-sectional area 22% greater than that of the weft wires.

22. (new) A screen as claimed in claim 18 wherein the wires are of circular cross-section.

23. (new) A screen as claimed in claim 22 wherein the diameter of the larger warp wires is 0.046 mm, and the diameter of the weft wires is 0.036 mm.